

California Weather-Hydro Conditions during July 2017

As of July 31, 2017, statewide hydrologic conditions were as follows: precipitation, 165 percent of average to date; runoff, 220 percent of average to date; and reservoir storage, 120 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2017, observed through July 31, 2017 was about 37.0 million acre-feet (MAF), which is about 217 percent of average. In comparison to Water Year 2016, the observed Sacramento River Region unimpaired runoff through July 31, 2016 was about 16.8 MAF, or about 99 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2017, observed through July 31, 2017 was about 17.5 MAF, which is about 258 percent of average. In comparison to Water Year 2016, the observed San Joaquin River Region unimpaired runoff through July 31, 2016 was about 6.0 MAF, or about 89 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2017, observed through July 31, 2017 was about 7.0 MAF, which is about 241 percent of average. In comparison to Water Year 2016, the observed Tulare Lake Region unimpaired runoff through July 31, 2016 was about 1.9 MAF, or about 67 percent of average.

On July 31, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 94.2 inches, which is about 193 percent of the seasonal average to date and 188 percent of an average water year (50.0 inches). During July, the total precipitation for the 8-Stations was 0.0 inches, or about 0 percent of average for the month. Last year on July 31, 2016, the Water Year 2016 seasonal total for the 8-Stations was 57.8 inches, or about 118 percent of average.

On July 31, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 71.5 inches, which is about 179 percent of the seasonal average to date and 175 percent of an average water year (40.7 inches). During July, the total precipitation for the 5-Stations was 0.0 inches, or about 0 percent of average for the month. Last year on July 31, 2016, the Water Year 2016 seasonal total for the 5-Stations was 40.0 inches, or about 101 percent of average.

On July 31, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 46.1 inches, which is about 161 percent of the seasonal average to date and 157 percent of an average water year (29.2 inches). During July, the total precipitation for the 6-Stations was 0.0 inches, or about 0 percent of average for the month. Last year on July 31, 2016, the Water Year 2016 seasonal total for the 6-Stations was 25.7 inches, or about 90 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 07/31/2017					
Station	Water Year 2017 to July 31, 2017	% Average	Water Year 2016 to July 31, 2016	% Average	WY 2017 % of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	59.40	139	40.93	96	136
Eureka	51.48	131	43.97	112	128
Redding	45.54	135	37.30	110	132
South Lake Tahoe	47.17	245	22.09	115	231
Sacramento Executive Airport	32.97	181	16.14	89	178
Santa Rosa (Sonoma Co AP)	58.21	162	30.43	85	160
San Francisco	32.06	137	22.14	95	136
Stockton	21.62	157	16.60	121	154
Yosemite	74.44	200	36.07	97	196
Monterey	24.20	152	21.54	136	150
Paso Robles	14.19	114	7.37	59	111
Fresno	17.20	152	14.33	127	150
Bakersfield	7.80	123	5.44	86	121
Death Valley	1.28	63	1.68	83	54
Los Angeles	17.69	121	6.35	43	118
Riverside	11.90	99	5.17	43	96
Palm Springs	7.02	140	2.50	50	122
San Diego	12.27	121	7.73	76	119

Key Reservoir Storage (1,000 AF) as of 07/31/2017								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	2,015	1,954	103	2,448	82	---	433
Shasta Lake	Sacramento	3,942	3,234	122	4,552	87	-610	610
Lake Oroville	Feather	2,111	2,579	82	3,538	60	-1,427	1,427
New Bullards Bar Res	Yuba	836	750	111	966	87	-130	130
Folsom Lake	American	883	691	128	977	90	-94	94
New Melones Res	Stanislaus	2,141	1,467	146	2,400	89	-279	279
Don Pedro Res	Tuolumne	1,993	1,548	129	2,030	98	-37	37
Lake McClure	Merced	962	627	153	1,025	94	-63	63
Millerton Lake	San Joaquin	501	327	153	520	96	-20	19
Pine Flat Res	Kings	896	509	176	1,000	90	-104	104
Isabella	Kern	284	274	104	568	50	-77	284
San Luis Res	(Offstream)	1,925	996	193	2,041	94	---	114

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for August 2017, issued July 31, 2017, suggests average precipitation for all of California, except the southeastern portion of the State where above-average precipitation is expected.